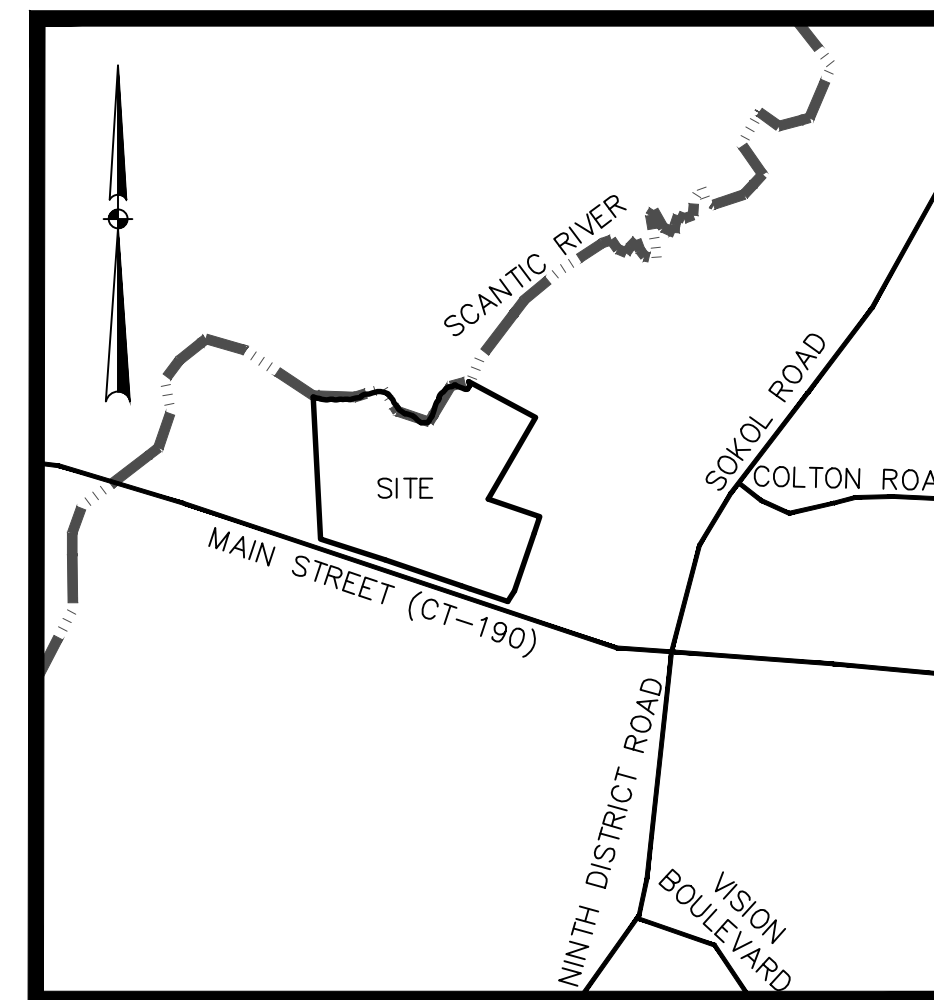


**Sonny's Place**  
Bumper Boats & Mini Golf Expansion  
349 Main Street  
Somers, Connecticut 06071  
Map 05 Lot 12 Zone: A-1



KEY PLAN MAP

1"=500'

Applicant/Owner

*Driving Range 349 Main Street, LLC*  
15 Mullen Road  
Enfield, CT 06082

Prepared By

*J.R. Russo & Associates, LLC*  
P.O. Box 938  
East Windsor, CT 06088  
860-623-0569

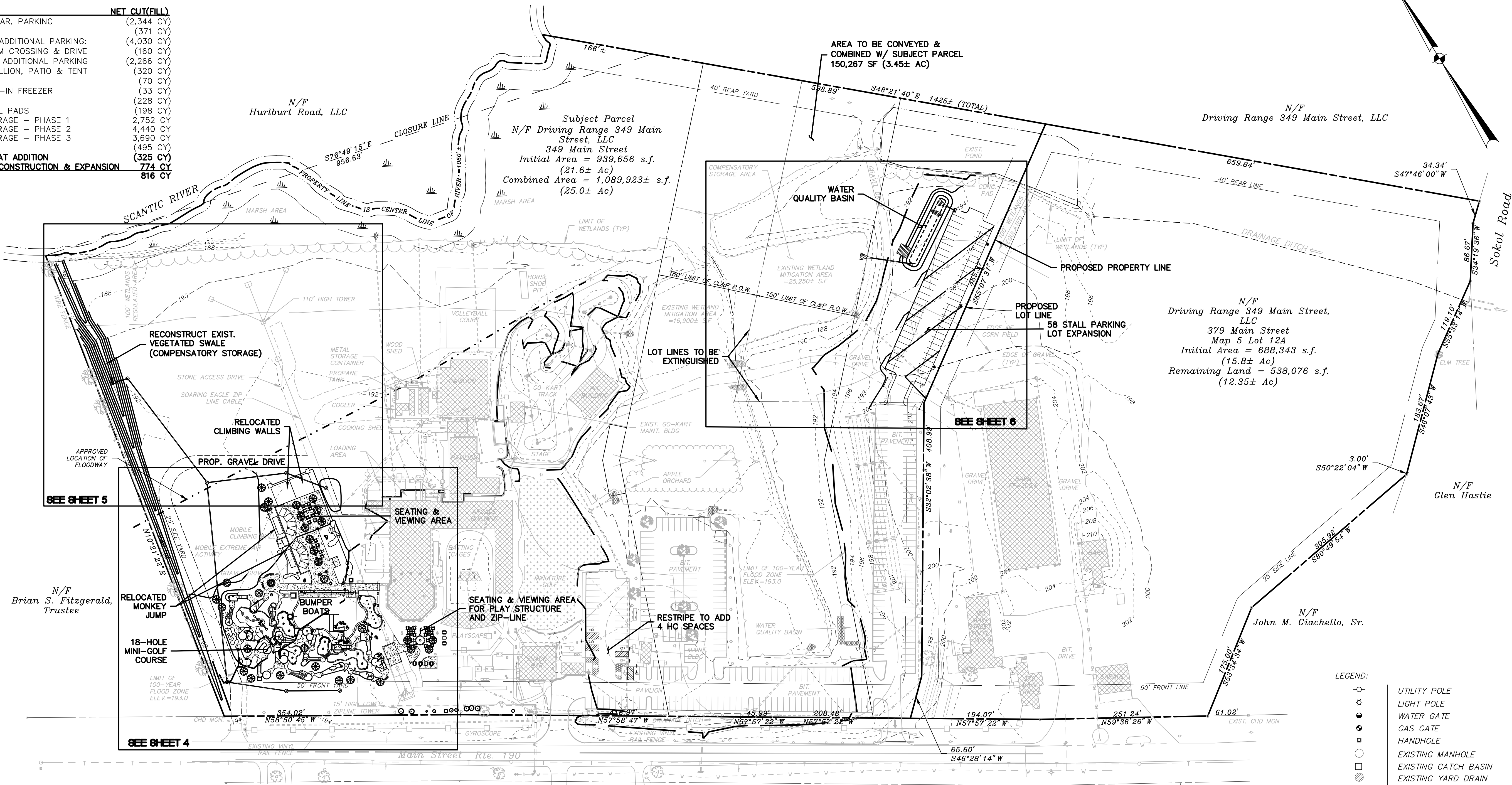
DRAWING INDEX

SHEET TITLE	SHEET NO.	LATEST REVISION
<b>CIVIL</b>		
COVER SHEET .....	1 of 9	9-29-21
OVERALL LAYOUT PLAN .....	2 of 9	9-29-21
DEMOLITION PLAN .....	3 of 9	9-29-21
SITE PLAN (20 SCALE) .....	4 of 9	9-29-21
SITE PLAN (20 SCALE) .....	5 of 9	9-29-21
SITE PLAN (20 SCALE) .....	6 of 9	9-29-21
CONSTRUCTION NOTES & DETAILS .....	7 of 9	9-29-21
DETAILS .....	8 of 9	9-29-21
DETAILS .....	9 of 9	9-29-21



## COMPENSATORY STORAGE SUMMARY

LOCATION	NET CUT(FILL)
MINI-GOLF, SNACK BAR, PARKING	(2,344 CY)
BATTING CAGE	(371 CY)
GO-KART TRACK & ADDITIONAL PARKING:	(4,030 CY)
INTERMITTENT STREAM CROSSING & DRIVE	(160 CY)
ARCADE ADDITION & ADDITIONAL PARKING	(2,266 CY)
COOKING SHED, PAVILLION, PATIO & TENT	(320 CY)
PARKING EXPANSION	(70 CY)
WOOD SHED & WALK-IN FREEZER	(33 CY)
ARCADE ADDITION	(228 CY)
LOADING/MECHANICAL PADS	(198 CY)
COMPENSATORY STORAGE - PHASE 1	2,752 CY
COMPENSATORY STORAGE - PHASE 2	4,440 CY
COMPENSATORY STORAGE - PHASE 3	3,690 CY
REAR PAVILION	(495 CY)
GOLF & BUMPER BOAT ADDITION	(325 CY)
DRAINAGE SWALE RECONSTRUCTION & EXPANSION	774 CY
SITE SURPLUS	816 CY



## Reference Map:

- "As-Built Plan Sonny's Place 349 Main Street - Rte. 190, Somers, Connecticut" Dated 11-20-17 By J.R. Russo & Associates, LLC

## Notes:

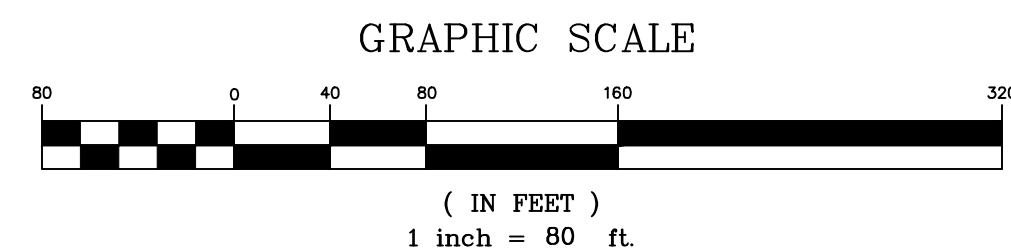
- Portion of the parcel is located in a flood hazard zone, Panel No. 090112 00007 B.
- Portion of the parcel is located in inland wetlands as mapped by Michael F. Gragnolati and Richard Zulick, Soil Scientists, as shown on reference map.
- Bearings refer to the reference maps.
- Elevations are based on N.G.V.D. 1929 Datum.
- Underground utility structure and facility locations noted hereon have been compiled, in part, from record mapping supplied by the respective utility companies or governmental agencies, from parole testimony and from other sources. These locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to J.R. Russo & Associates. The size, location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. Call Before You dig 1-800-922-4455.
- Portions of the parcel maybe subject to drainage rights.

## DATA BLOCK

Zone:	A-1
Min. Area (sq. ft.)	40,000
Min. Buildable Area (sq.ft.)	40,000
Frontage (ft.)	175
Front Yard (ft.)	50
Side Yard (ft.)	25
Rear Yard (ft.)	40
Max. Lot Cov. (%)	25
Exist. Lot Cov. (%)	23.6±
Max. Bldg. Ht. (ft.)	35
Exist. Max. Bldg. Ht. (ft)	35

## PARKING SCHEDULE:

Required		
1.0/batting station x 5 stations	=	5 spaces
1.5/mini-golf hole x 36 holes	=	54 spaces
1.0/3 seats (snack bar) x 64 seats	=	22 spaces
1.0/Go-Kart x 24 Karts	=	24 spaces
1.0/Bumper Boat x 15 Boats	=	15 spaces
1/employee (not associated w/ other activity) x 4	=	4 spaces
1.0/6 occupants (arcade & addition) x 506 max. occupancy	=	85 spaces
1.0/6 occupants (pavilion 1) x 240 max. occupancy	=	40 spaces
1.0/6 occupants (pavilion 2) x 300 max. occupancy	=	50 spaces
Total Spaces Required	=	299 spaces
Existing Paved Spaces (includes 4 ADA spaces)	=	264 spaces
Proposed Paves Spaces (includes 8 ADA spaces)	=	318 spaces



This survey and map has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey conforming to Horizontal Class A-2 & a Topographic Survey conforming to Class T-2.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

## LEGEND:

	UTILITY POLE
	LIGHT POLE
	WATER GATE
	GAS GATE
	HANDHOLE
	EXISTING MANHOLE
	EXISTING CATCH BASIN
	EXISTING YARD DRAIN
	SIGN
	HYDRANT
	U.G. ELEC. LINE
	U.G. TELECOM. LINE
	OVERHEAD WIRES
	U.G. WATER LINE
	EXISTING STORM SEWER
	PROPOSED CATCH BASIN
	PROPOSED STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING FORCE MAIN
	WETLAND LIMIT
	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING I.P.
	EXISTING MONUMENT

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

## REVISIONS

BY: LF/TAC CHK: JEU

Bumper Boats & Mini-Golf Expansion

Sonny's Place

Prepared For

Driving Range 349 Main Street, LLC  
349 & 379 Main Street  
Somers, Connecticut

Map 5 Lots 12 & 12A Zone: A-1

## Overall Layout Plan

DATE

9-29-21

SCALE

1"=80'

JOB NUMBER

2007-081

SHEET

2 of 9



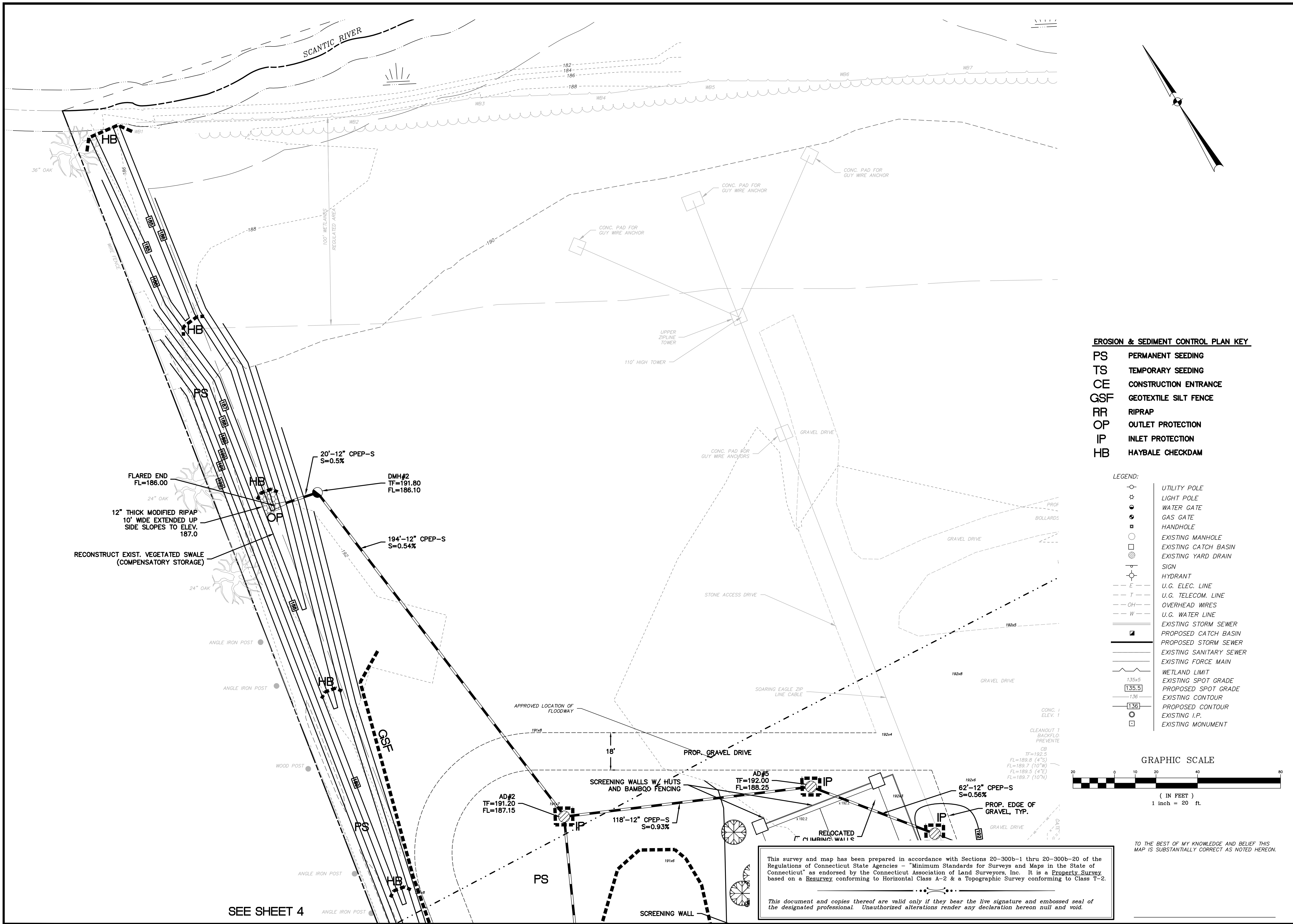








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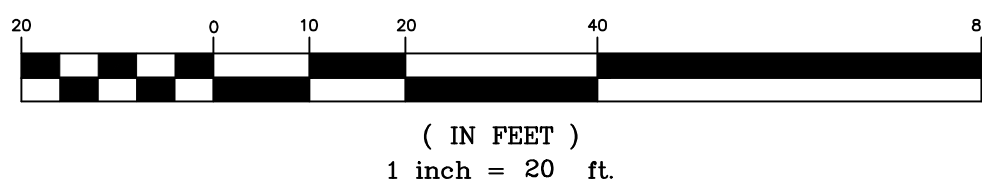
EROSION & SEDIMENT CONTROL PLAN KEY

- PS PERMANENT SEEDING  
TS TEMPORARY SEEDING  
CE CONSTRUCTION ENTRANCE  
GSF GEOTEXTILE SILT FENCE  
RR RIPRAP  
OP OUTLET PROTECTION  
IP INLET PROTECTION  
HB HAYBALE CHECKDAM

LEGEND:

- UTILITY POLE  
LIGHT POLE  
WATER GATE  
GAS GATE  
HANDHOLE  
EXISTING MANHOLE  
EXISTING CATCH BASIN  
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PROPOSED SPOT GRADE  
EXISTING CONTOUR  
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EXISTING I.P.  
EXISTING MONUMENT

GRAPHIC SCALE



TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

This survey and map has been prepared in accordance with Sections 20-300b-1 thru 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Surveys and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is a Property Survey based on a Resurvey conforming to Horizontal Class A-2 & a Topographic Survey conforming to Class T-2.

This document and copies thereof are valid only if they bear the live signature and embossed seal of the designated professional. Unauthorized alterations render any declaration hereon null and void.

REVISIONS

BY: LF/TAC CHK: JEU

Bumper Boats & Mini-Golf Expansion  
Sonny's Place  
Prepared For  
Driving Range 349 Main Street, LLC  
349 & 379 Main Street  
Somers, Connecticut  
Map 5 Lots 12 & 12A Zone: A-1

Site Plan

DATE

9-29-21

SCALE

1"=20'

JOB NUMBER

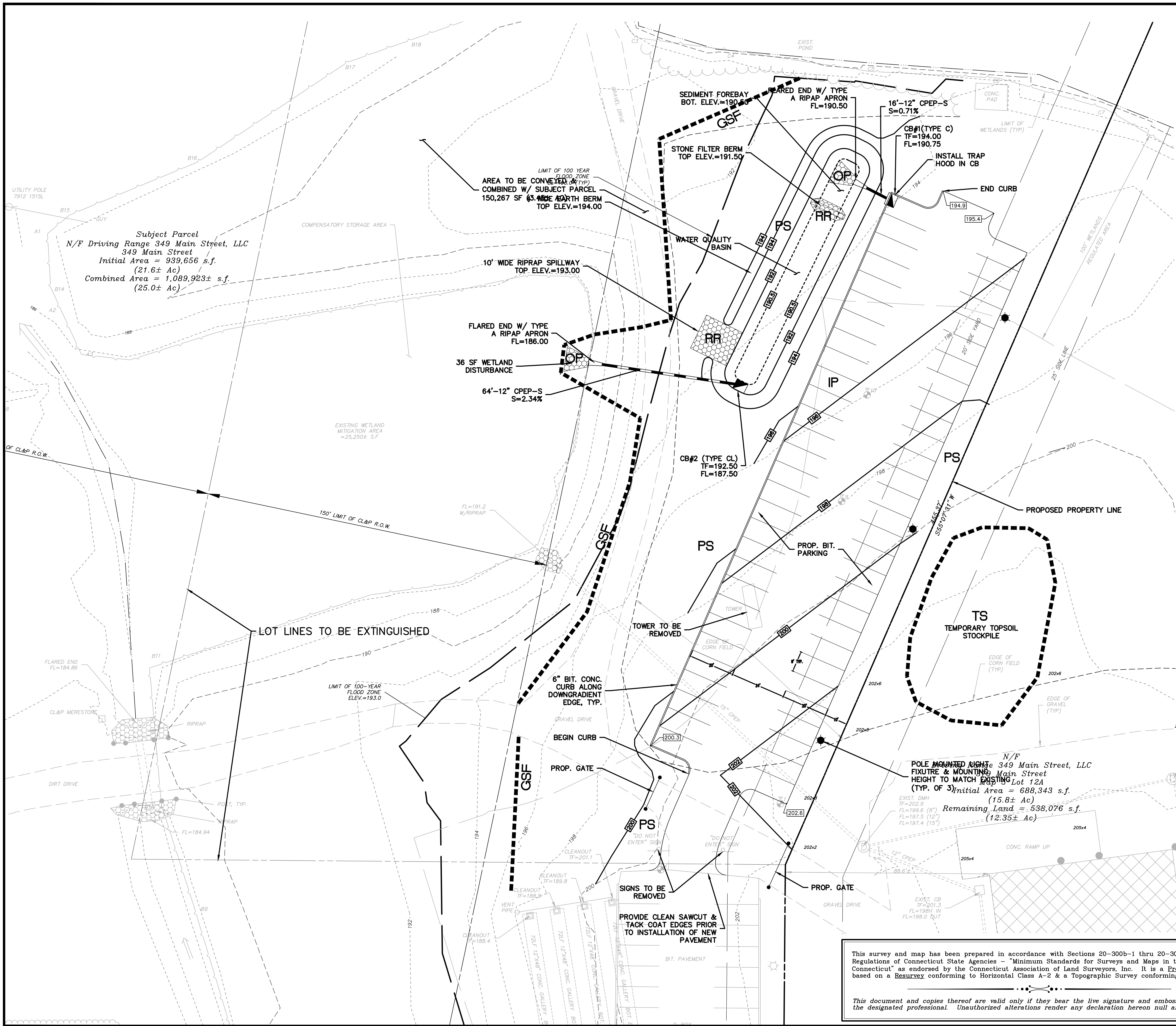
2007-081

SHEET

5 of 9



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REVISIONS	
BY: LF/TAC	CHK: JEU

**Bumper Boats & Mini-Golf Expansion**  
**Sonny's Place**  
Prepared For  
**Driving Range 349 Main Street, LLC**  
**349 & 379 Main Street**  
**Somers, Connecticut**  
Map 5 Lots 12 & 12A Zone: A-1



PERMANENT SEEDING (PS)

SPECIFICATIONS

**Time Of Year**  
Seeding dates in Connecticut are normally April 1 through June 15 and August 15 through October 1. Spring seedings give the best results and spring seedings of all mixes with legumes is recommended. There are two exceptions to the above dates. The first exception is when seedings will be made in the areas of Connecticut known as the Coastal Slope and the Connecticut River Valley. The Coastal Slope includes the coastal towns of New London, Middlesex, New Haven, and Fairfield counties. In these areas, with the exception of crown vetch (when crown vetch is seeded in late summer, at least 35% of the seed should be hard seed (unscarified), the final fall seeding dates can be extended and additional 15 days. The second exception is frost crack or dormant seeding, the seed is applied during the time of year when no germination can be expected, normally November through February. Germination will take place when weather conditions improve, mulching is extremely important to protect the seed from wind and surface erosion and to provide erosion protection until the seeding becomes established.

**Site Preparation**  
Grade in accordance with the Land Grading measure which is in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

Install all necessary surface water controls.

For areas to be mowed remove all surface stones 2 inches or larger. Remove all other debris such as wire, cable tree roots, pieces of concrete, clods, lumps, or other unsuitable material.

**Seed Selection**  
Lawn Areas: Premium Seed Mix for Sun and Shade.

**Seedbed Preparation**  
Apply topsoil, if necessary, in accordance with the Topsoiling measure which is in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

Apply ground limestone and fertilizer according to soil test recommendations (such as those offered by the University of Connecticut Soil Testing Laboratory or other reliable source).

Where soil testing is not feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10–10–10 or equivalent and limestone at 4 tons per acre or 200 pounds per 1,000 square feet.

Work lime and fertilizer into the soil to a depth of 3 to 4 inches with a disc or other suitable equipment.

Inspect seedbed just before seeding. If the soil is compacted, crusted or hardened, scarify the area prior to seeding.

**Seed Application**  
Apply selected seed at rates per manufacturer's recommendations uniformly by hand, cyclone seeder, drill, cultipacker type seeder or hydroseeder (slurry including seed, fertilizer). Normal seeding depth is from 0.25 to 0.5 inch. Increase seeding rates by 10% when hydroseeding or frost crack seeding. Seed warm season grasses during the spring period only.

**Mulching**  
See guidelines in the Mulch For Seed measures.

MAINTENANCE

Inspect temporary soil protection area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater during the first growing season.

Where seed has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

TEMPORARY SEEDING (TS)

SPECIFICATIONS

**Site Preparation**  
Install needed erosion control measures such as diversions, grade stabilization structures, sedimentation basins and grassed waterways in accordance with the approved plan.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application and mulch anchoring.

**Seedbed Preparation**  
Loosen the soil to a depth of 3–4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing, harrowing, raking or dragging with a section of chain link fence.

Apply ground limestone and fertilizer according to soil test recommendations (such as those offered by the University of Connecticut Soil Testing Laboratory or other reliable source).

If soil testing is not feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10–10–10 or equivalent.

**Seeding**  
Apply seed uniformly by hand, cyclone seeder, drill, cultipacker type seeder or hydroseeder. The temporary seed shall be Rye (grain) applied at a rate of 120 pounds per acre. Increase seeding rates by 10% when hydroseeding.

**Mulching**  
See guidelines in the Mulch For Seed measures.

MAINTENANCE

Inspect temporary seeding area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and rill erosion.

Where seed has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

MULCH FOR SEED (MS)

SPECIFICATIONS

**Materials**  
Types of Mulches within this specification include, but are not limited to:

**1. Hay:** The dried stems and leafy parts of plants cut and harvested, such as alfalfa, clovers, other forage legumes and the finer stemmed, leafy grasses. The average stem length should not be less than 4 inches. Hay that can be windblown should be anchored to hold it in place.

**2. Straw:** Cut and dried stems of herbaceous plants, such as wheat, barley, cereal rye, or brome. The average stem length should not be less than 4 inches. Straw that can be windblown should be anchored to hold it in place.

**3. Cellulose Fiber:** Fiber origin is either virgin wood, post-industrial/pre-consumer wood or post consumer wood complying with materials specification (collectively referred to as "wood fiber"), newspaper, kraft paper, cardboard (collectively referred to as "paper fiber") or a combination of wood and paper fiber. Paper fiber, in particular, shall not contain boron, which inhibits seed germination. The cellulose fiber must be manufactured in such a manner that after the addition to and agitation in slurry tanks with water, the fibers in the slurry become uniformly suspended to form a homogeneous product. Subsequent to hydraulic spraying on the ground, the mulch shall allow for the absorption and percolation of moisture and shall not form a tough crust such that it interferes with seed germination or growth. Generally applied with tackifier and fertilizer. Refer to manufacturer's specifications for application rates needed to attain 80%–95% coverage without interfering with seed germination or plant growth. Not recommended as a mulch for use when seeding occurs outside of the recommended seeding dates.

**Tackifiers** within this specification include, but are not limited to: Water soluble materials that cause mulch particles to adhere to one another, generally consisting of either a natural vegetable gum blended with gelling and hardening agents or a blend of hydrophilic polymers, resins, viscosifiers, sticking aids and gums. Good for areas intended to be mowed. Cellulose fiber mulch may be applied as a tackifier to other mulches, provided the application is sufficient to cause the other mulches to adhere to one another. **Straw and hay mulches are specifically prohibited for use as tackifiers due to their potential for causing water pollution following its application.**

**Nettins** within this specification include, but are not limited to: Prefabricated openwork fabrics made of cellulose cords, ropes, threads, or biodegradable synthetic material that is woven, knotted or molded in such a manner that it holds mulch in place until vegetation growth is sufficient to stabilize the soil. Generally used in areas where no mowing is planned.

**Site Preparation**  
Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application and mulch anchoring.

**Application**  
**Timing:** Applied immediately following seeding. Some cellulose fiber may be applied with seed to assist in marking where seed has been sprayed, but expect to apply a second application of cellulose fiber to meet the requirements of **Mulch For Seed** in the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

**Spreading:** Mulch material shall be spread uniformly by hand or machine resulting in 80%–95% coverage of the disturbed soil when seeding within the recommended seeding dates. Applications that are uneven can result in excessive mulch smothering the germinating seeds. For hay or straw anticipate an application rate of 2 tons per acre. For cellulose fiber follow manufacture's recommended application rates to provided 80%–95% coverage.

When seeding outside the recommended seeding dates, increase mulch application rate to provide between 95%–100% coverage of the disturbed soil. For hay or straw anticipate an application rate to 2.5 to 3 tons per acre.

When spreading hay mulch by hand, divide the area to be mulched into approximately 1,000 square feet and place 1.5–2 bales of hay in each section to facilitate uniform distribution.

For cellulose fiber mulch, expect several spray passes to attain adequate coverage, to eliminate shadowing, and to avoid slippage.

**Anchoring:** Expect the need for mulch anchoring along the shoulders of actively traveled roads, hill tops and long open slopes not protected by wind breaks.

When using netting, the most critical aspect is to ensure that the netting maintains substantial contact with the underlying mulch and the mulch, in turn, maintains continuous contact with the soil surface. Without such contact, the material is useless and erosion can be expected to occur.

MAINTENANCE

Inspect mulch for seed area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater until the grass has germinated to determine maintenance needs.

Where mulch has been moved or where soil erosion has occurred, determine the cause of the failure and repair as needed.

SOIL EROSION & SEDIMENT CONTROL NOTES

- The contractor/developer shall notify the Town Engineer and/or the IWWA Agent at least two working days before the following:
  - Start of construction
  - Completion of clearing limit demarcation
  - Installation of E&S measures
  - Completion of site clearing
  - Completion of rough grading
  - Completion of final grading
  - Close of construction season
  - Completion of final landscaping
  - Prior to the removal of construction E&S control measures

- All soil erosion and sediment control work shall be done in strict accordance with the Connecticut Guidelines For Soil Erosion and Sediment Control latest edition.

- Any additional erosion/sediment control deemed necessary by the engineer during construction, shall be installed by the developer. In addition, the developer shall be responsible for the repair/replacement and/or maintenance of all erosion control structures until all disturbed areas are stabilized to the satisfaction of the town staff.

- All soil erosion and sediment control operations shall be in place prior to any grading operations and installation of proposed structures or utilities and shall be left in place until construction is completed and/or area is stabilized.

- In all areas, removal of trees, bushes and other vegetation as well as disturbance of the soil is to be kept to an absolute minimum while allowing proper development of the site. During construction, expose as small an area of soil as possible for as short a time as possible.

- The developer shall practice effective dust control per the soil conservation service handbook during construction and until all areas are stabilized or surface treated. The developer shall be responsible for the cleaning of nearby streets, as ordered by the town, of any debris from these construction activities.

- All fill areas shall be compacted sufficiently for their intended purpose and as required to reduce slipping, erosion or excess saturation. Fill intended to support buildings, structures, conduits, etc., shall be compacted in accordance with local requirements or codes.

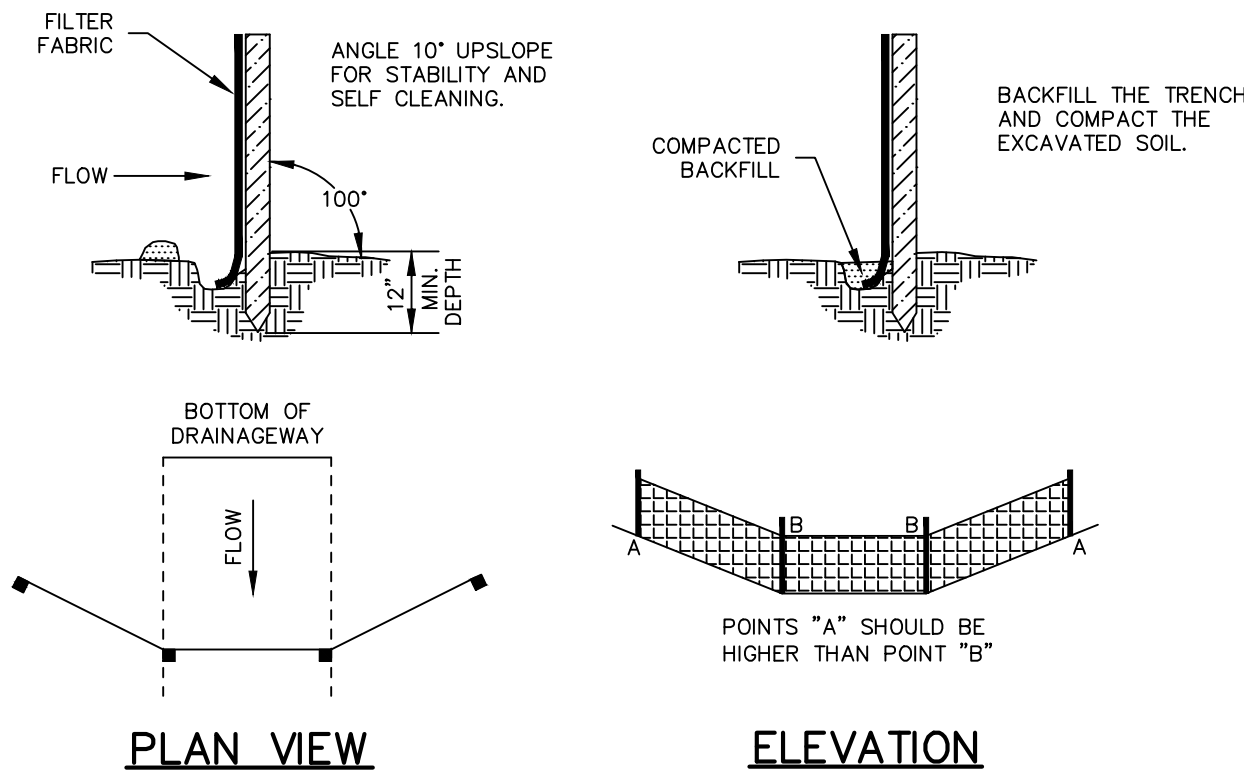
- Topsoil is to be stripped and stockpiled in amounts necessary to complete finished grading of all exposed areas requiring topsoil. The stockpiled topsoil is to be located as designated on the plans. Topsoil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading or proposed sodding or seeding.

- Any and all fill material is to be free of brush, rubbish, timber, logs vegetative matter and stumps in amounts that will be detrimental to constructing stable fills. Maximum side slopes of exposed surfaces of earth to be 3:1 or as otherwise specified by local authorities.

- Soil stabilization should be completed within 5 days of clearing or inactivity in construction.

- Waste Materials — All waste materials (including wastewater) shall be disposed of in accordance with local, state and federal law. Litter shall be picked up at the end of each work day.

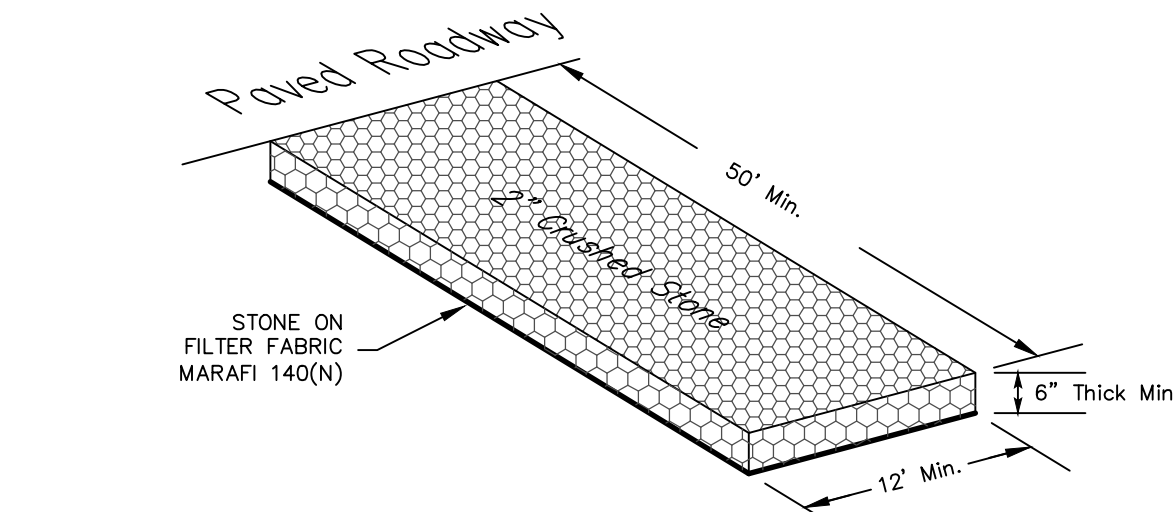
- The Contractor shall maintain on-site additional erosion control materials as a contingency in the event of a failure or when required to shore up existing BMPs. At a minimum, the on-site contingency materials should include 30 feet of silt fence and 5 straw haybales with 10 stakes.



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

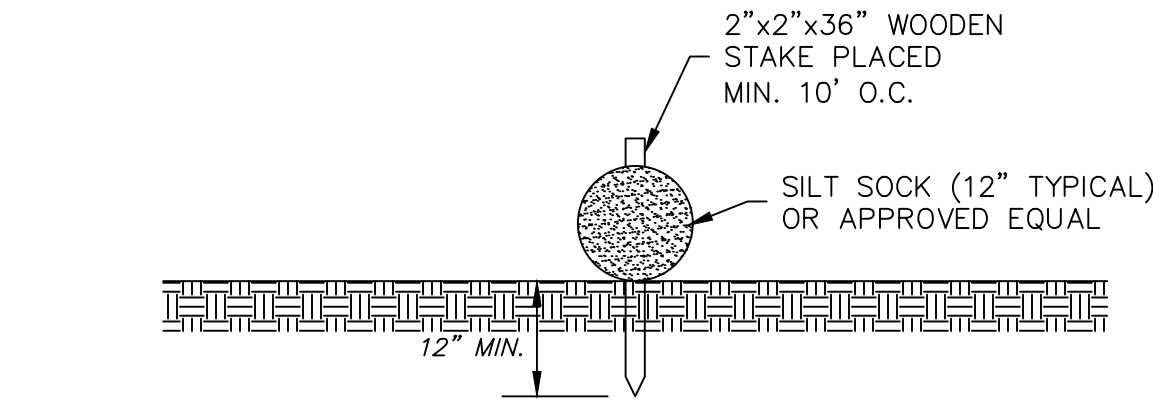
GEOTEXTILE SILT FENCE (GSF)

NOT TO SCALE



ANTI-TRACKING EXIT PAD DETAIL (CE)

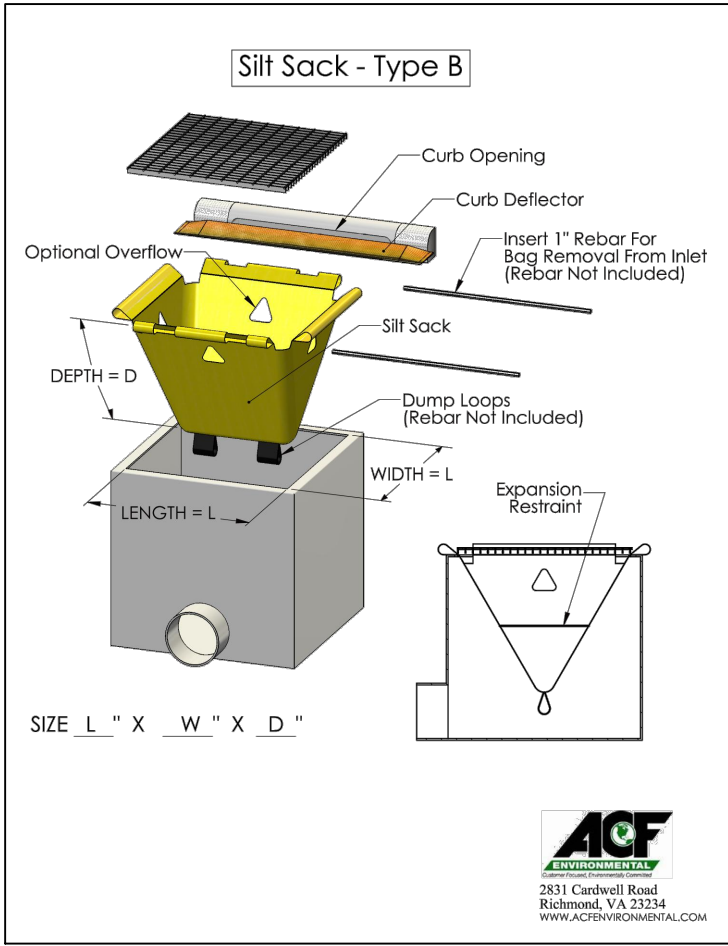
NOT TO SCALE



NOTE: MAY BE USED AS ALTERNATIVE TO GEOTEXTILE SILT FENCE.

PERIMETER SEDIMENT BARRIER

NOT TO SCALE



NOTE: SILT SACK SHALL BE SIZED TO FIT EACH INLET GRATE (SINGLE OR DOUBLE) AND SHALL BE CLEANED AND MAINTAINED UNTIL THE CONTRIBUTING WATERSHED IS STABILIZED WITH VEGETATION AND/OR COMPACTED PROCESSED STONE BASE.

CB GRATE INLET PROTECTION (SILT SACK)

NOT TO SCALE

CHECKLIST FOR EROSION CONTROL PLAN

PROJECT: Sonny's Place Bumper Boot & Mini-Golf Expansion  
LOCATION: 349 Main Street, Somers, CT  
PROJECT DESCRIPTION: Addition of Bumper Boots, Mini-Golf & Parking  
PARCEL AREA: 25± acres  
RESPONSIBLE PERSONNEL: Jonathan Murray (860) 808-6047  
EROSION AND SEDIMENT CONTROL PLAN PREPARER: J.R. Russo & Associates, LLC

Work Description Erosion & Sediment Control Measures	Location	Date Installed	Initials	Date Removed	Initials
Install construction entrance	As shown on plan.				
Install perimeter sediment barriers	As shown on plan.				
Install inlet protection	As structures are installed.				

MAINTENANCE OF MEASURES:

Location	Description or Number	Date	Initials

Project Dates:

Date of groundbreaking for project:

Date of final stabilization:

PROJECT NARRATIVE AND CONSTRUCTION SEQUENCE

This project is located at Sonny's Place, 349 Main Street in Somers. The proposed activity is the construction of an 18-hole miniature golf course, bumper boats and parking lot expansion. The suggested schedule of construction is as follows:

- Install construction anti-tracking pad (CE).
- Install sediment barriers (GSF) at project perimeters.
- Demolish and temporarily relocate existing features to be removed per demolition plan.
- Strip topsoil. Stockpile suitable amount of topsoil for reuse on-site in areas shown.
- Stockpiles shall be surrounded by sediment barriers (GSF).
- Rough grade site.
- Install relocated gravel access road.
- Begin construction of golf course and bumper boats.
- Reconstruct swale along property line.
- Box out for parking lot.
- Install stormwater system.
- Install parking lot base.
- Install concrete sidewalks.
- Pave binder course.
- Stabilize remaining areas to receive topsoil and permanently seed as soon as possible.
- Install landscaping.
- Install pavement top course in all areas. Sweep binder course and apply tack coat prior to placing pavement top course.
- Apply paint striping.
- Remove sediment barriers after site is fully stabilized.

Construction of this site is anticipated to begin in the summer of 2021, pending approvals. Temporary erosion control measures shall be installed prior to any soil disturbance and maintained throughout construction until soils have been stabilized with permanent vegetation.

The Contractor shall keep the area of disturbance to a minimum and establish vegetative cover on exposed soils as soon as practical. All soil and erosion control measures shall be installed and maintained in accordance with these plans and the "Connecticut DEP Guidelines for Soil Erosion and Sediment Control", as amended. The Contractor shall verify all conditions noted on the plans and shall immediately notify the Engineer of any discrepancies.

The developer shall be responsible for the repair/replacement/maintenance of all erosion control measures until all disturbed areas are stabilized. Accumulated sediment shall be removed as required to keep silt fence functional. In all cases, deposits shall be removed when the accumulated sediment has reached one-half above the ground height of the silt fence. This material is to be spread and stabilized in areas not subject to erosion, or to be used in areas which are not to be paved or built on. Silt fence (GSF) is to be replaced as necessary to maintain proper filtering action. Silt fence (gsf) are to remain in place and shall be maintained to insure efficient sediment capture until all areas above the erosion checks are stabilized and vegetation has been established.



J.R. Russo & Associates, LLC  
SURVEYORS-ENGINEERS  
SERVING CT & MA  
150 North Rd East Windsor CT 06038 • CT 860.623.0569 • FAX 860.623.0569  
www.jrussosurveyors.com • jr@jrussosurveyors.com

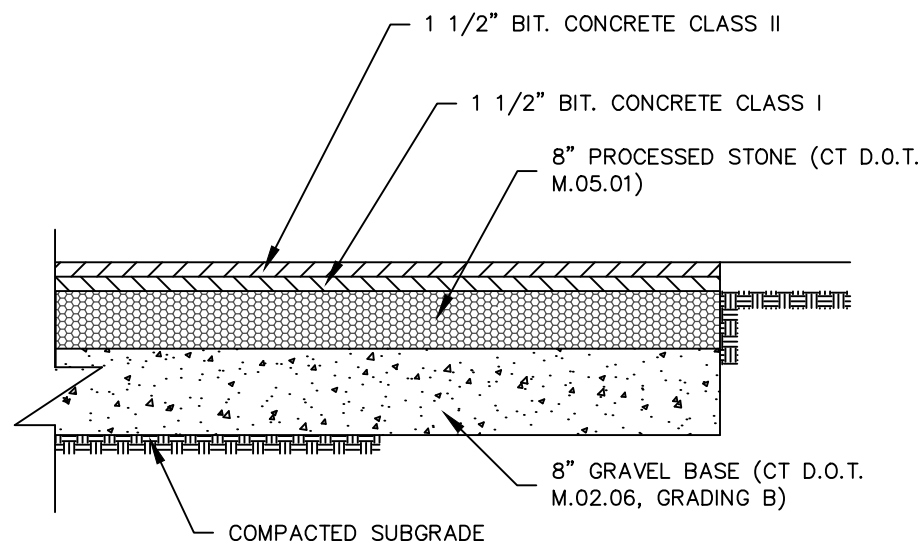
REVISIONS	
BY: CJC	CHK: TAC/JEU

Bumper Boots & Mini-Golf Expansion  
Sonny's Place  
Prepared For  
Driving Range 349 Main Street, LLC  
349 & 379 Main Street  
Somers, Connecticut  
Map 5 Lots 12 & 12A Zone: A-1

Erosion Control Notes & Details

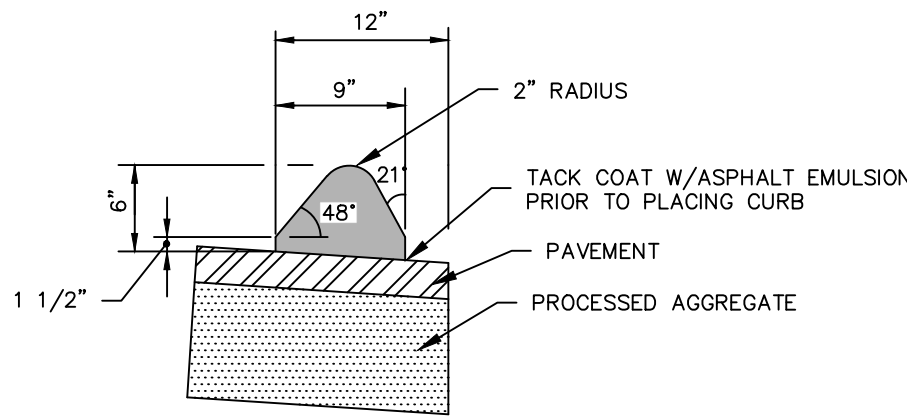
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JOB NUMBER	2007-081
SHEET	7 of 9





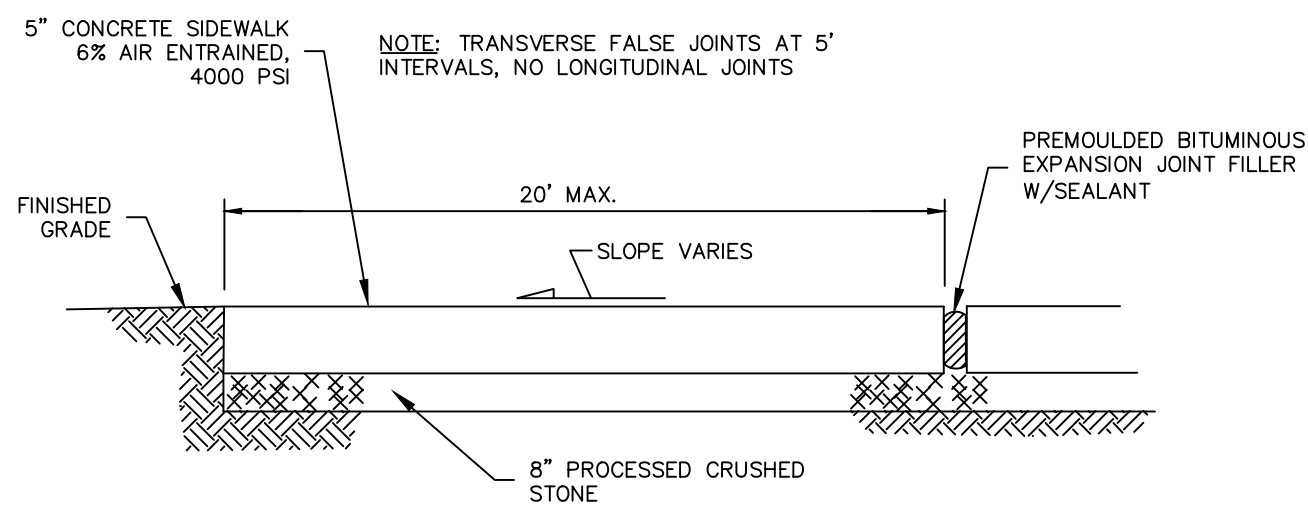
NOTE: WHERE SUBGRADES ARE ON WET SILT OR CLAY, CONTRACTOR TO INSTALL ADDITIONAL 12" OF 3/4" CRUSHED STONE ON TENSAR TRIAX GEOGRID BELOW GRAVEL SUBBASE.

**PAVEMENT DETAIL**  
NOT TO SCALE



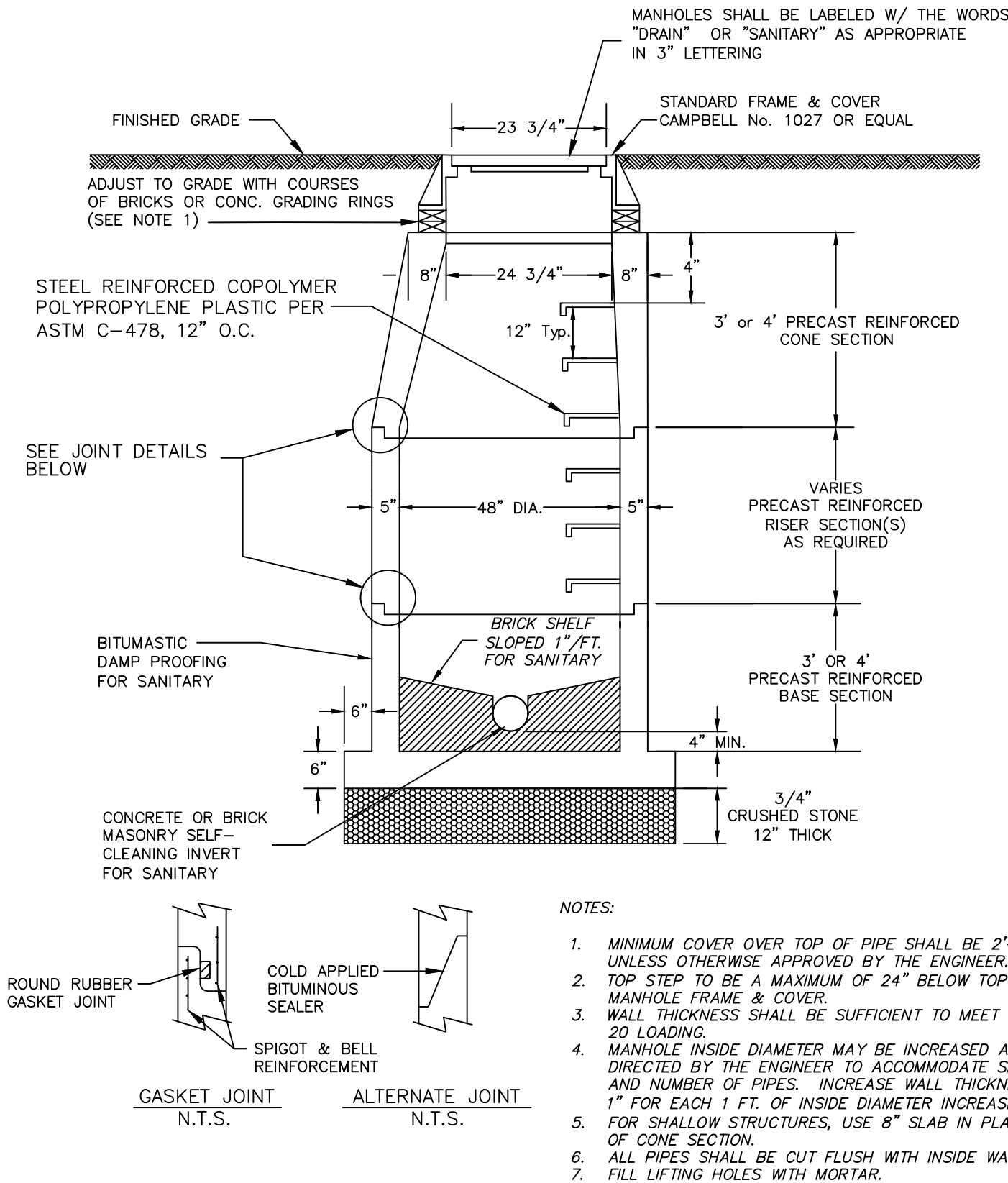
**BITUMINOUS CONCRETE LIP CURBING**  
NOT TO SCALE

**GRAVEL DRIVE DETAIL**  
NOT TO SCALE



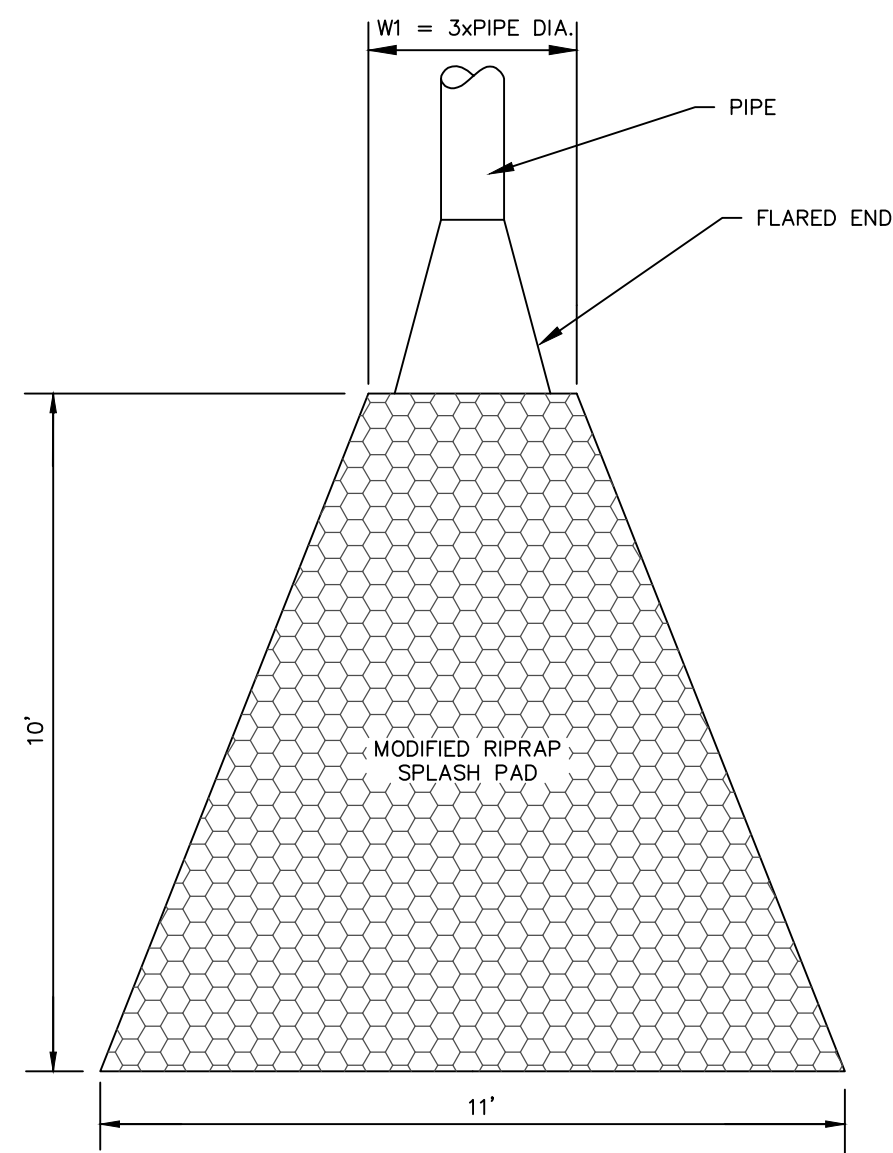
NOTE: EXPANSION JOINTS TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING LINE, AT CURBS, OR AT PENETRATING STRUCTURES.

**TYPICAL SIDEWALK DETAIL**  
NOT TO SCALE



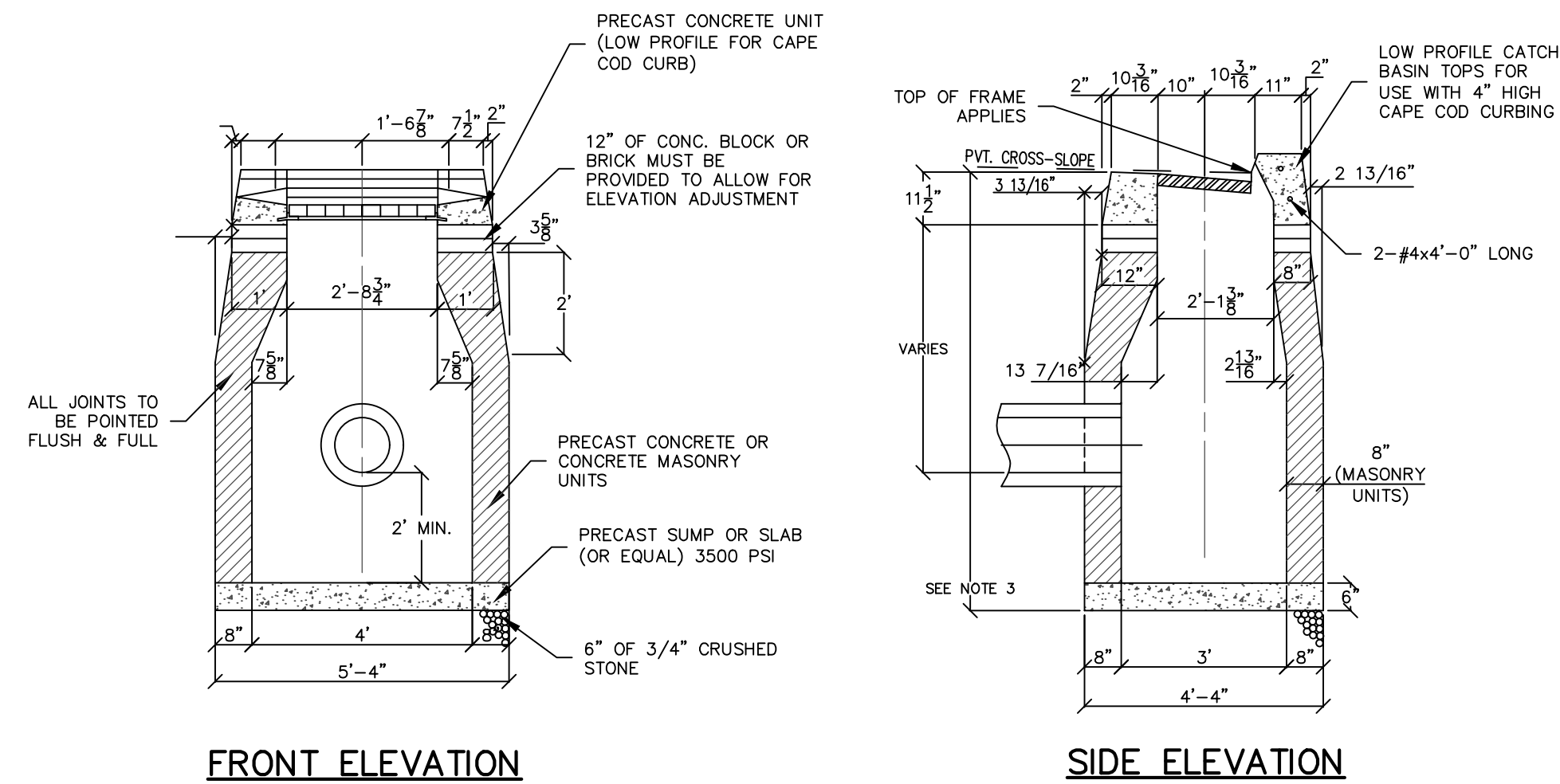
- NOTES:
1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0" UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  2. TOP STEP TO BE A MAXIMUM OF 24" BELOW TOP OF MANHOLE FRAME & COVER.
  3. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
  4. MANHOLE INSIDE DIAMETER MAY BE INCREASED AS DIRECTED BY THE ENGINEER TO ACCOMMODATE SIZE AND NUMBER OF PIPES. INCREASE WALL THICKNESS 1" FOR EACH 1 FT. OF INSIDE DIAMETER INCREASE.
  5. FOR SHALLOW STRUCTURES, USE 8" SLAB IN PLACE OF CONE SECTION.
  6. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
  7. FILL LIFTING HOLES WITH MORTAR.

**PRECAST CONCRETE MANHOLE**  
NOT TO SCALE



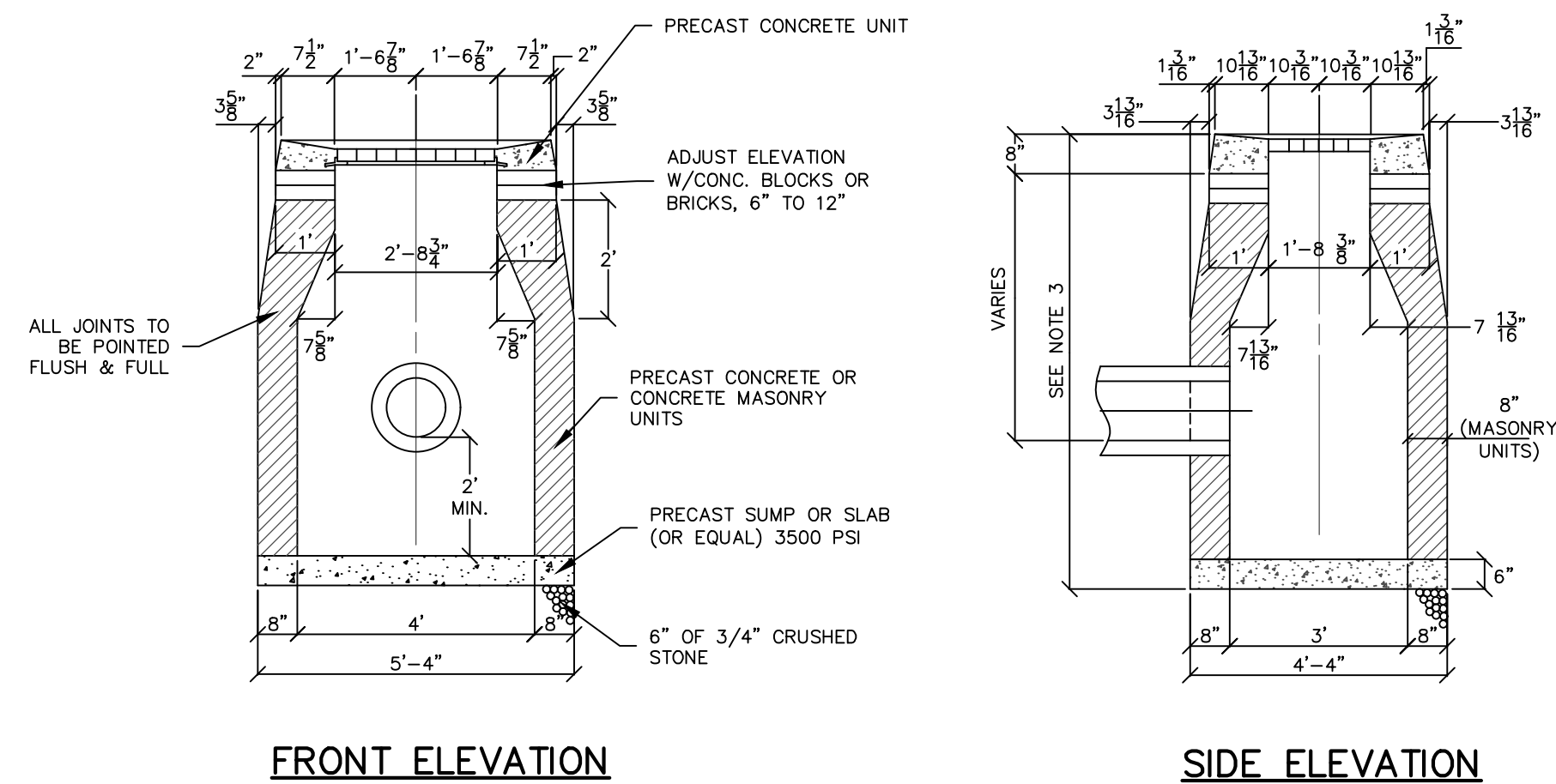
NOTE: MODIFIED RIPRAP APRON (12" THICK) ON 6" GRANULAR BASE (M.02.01) ON MIRAFI 140N FABRIC OR EQUAL.

**TYPE A RIPRAP APRON (OP)**  
N.T.S.



- NOTES:
1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
  2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
  3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS, INSIDE DIMENSIONS REMAIN THE SAME.
  4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
  5. ALL BRICKS SHALL BE CONCRETE.

**TYPE "C" CATCH BASIN**  
NOT TO SCALE



- NOTES:
1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 1'-0".
  2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
  3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS, INSIDE DIMENSIONS REMAIN THE SAME.
  4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
  5. ALL BRICKS SHALL BE CONCRETE.

**TYPE "CL" CATCH BASIN**  
NOT TO SCALE

REVISIONS

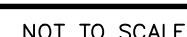
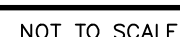
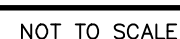
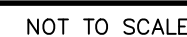
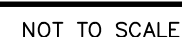
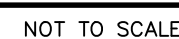
BY: LF/TAC    CHK: JEU

*Sonny's Place*  
349 Main Street – Rte. 190  
Somers, Connecticut

Details

DATE  
**9-29-21**  
SCALE  
**AS SHOWN**  
JOB NUMBER  
**2007-081**  
SHEET  
**8 of 9**





## REVISIONS

BY: LF/TAC

CHK: JEU
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349 Main Street - Rte. 190  
Somers, Connecticut

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DATE  
9-29-21

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9 of 9